

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/KR2005/002369

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC7 C09K 11/79

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC7: C09K 11/79, C09K1 1/71, C09K1 1/59, H01J 1/02, H01J1/62

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
KR, JP: classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
JPA, NPS, ESPACENET, USPTO

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR20040085039 2004/10/07 KOREA RESEARCH INSTITUTE OF CHEMICAL TECHNOLOGY see the whole document	1-26
A	JP15336048 2003/1 1/28 MATSUSHITA ELECTRIC IND. CO. LTD. see the whole document	1-26
A	JP15132803 2003/05/09 HITACHI LTD. see the whole document	1-26
A	JP05334999 1993/12/17 N.V. Philips see the whole document	1-26
A	US06762,48 2004/07/13 Koninklijke Philips see the whole document	1-26

**D**

Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

13 OCTOBER 2005 (13.10.2005)

Date of mailing of the international search report

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Name and mailing address of the ISA/KR



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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

PCT/KR2005/002369

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
KR20040085039	2004/10/07	W02004085570 A1	2004. 10.07
JP15336048	2003/11/28	US2004239247 AA W003097767 A1	2004. 12.02 2003. 11.27
JP15132803	2003/05/09	US 2003085853 A1	2003.05.08
JP05334999	1993/12/17	None	
US06762548	2004/07/13	None	